

HAMMER DRILL

Abstract

A hammer drill is equipped with a connector shaft, which is rotationally driven by a motor, a spindle that transmits the rotation through a connector shaft, and a percussive impact means that applies a percussive force in the axial direction to a drill bit held by the spindle through performing a reciprocating motion, in the axial direction, relative to a spindle that receives the rotation of the connector shaft through a motion converter mechanism. The hammer drill is provided with a percussive force converter means from the percussive impact means by changing the speed reduction ratio between the motor and the connector shaft. This makes it possible to adjust the percussive force according to the drill bit used.

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